

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4176	"345/204".CCLS.	US-PGPUB; USPAT	OR	ON	2009/09/08 14:31
L2	1942	"345/102".CCLS.	US-PGPUB; USPAT	OR	ON	2009/09/08 14:31
L3	2734	"345/76".CCLS.	US-PGPUB; USPAT	OR	ON	2009/09/08 14:31
L4	0	"345/433".CCLS.	US-PGPUB; USPAT	OR	ON	2009/09/08 14:31
L5	467	"345/207".CCLS.	US-PGPUB; USPAT	OR	ON	2009/09/08 14:31
L6	521	348/790	US-PGPUB; USPAT	OR	ON	2009/09/08 14:32
L7	184	348/790.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/08 14:32
L8	226	349/67.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/08 14:32
L9	153	349/72.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/08 14:32
L25	2	10/812546	US-PGPUB; USPAT	OR	ON	2009/09/08 14:59
L26	1	10/871192	US-PGPUB; USPAT	OR	ON	2009/09/08 15:00
S1	2891	"345/204".CCLS.	US-PGPUB; USPAT	OR	ON	2007/07/20 08:59
S2	13	((SEIICHI) near2 (MIZUKOSHI)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/20 08:59
S3	59	((NOBUYUKI) near2 (MORI)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/20 08:59
S4	3	((KOUICHI) near2 (ONOMURA)).INV.	USPAT; USOCR	OR	ON	2008/08/01 12:10
S5	7	((MAKOTO) near2 (KOHNO)).INV.	US-PGPUB; USPAT	OR	ON	2007/07/20 09:00
S6	1471	estimation near1 circuit\$4	US-PGPUB; USPAT	OR	ON	2007/07/20 09:00
S7	2	estimation near1 circuit\$4 and OLED	US-PGPUB; USPAT	OR	ON	2007/07/20 09:05
S8	0	estimation near1 current and OLED	US-PGPUB; USPAT	OR	ON	2007/07/20 09:05
S9	101	(estima\$3 near5 current) and OLED	US-PGPUB; USPAT	OR	ON	2007/07/20 09:07
S10	87	(estima\$3 near3 current) and OLED	US-PGPUB; USPAT	OR	ON	2007/07/20 09:31

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S11	41	(estima\$3 near3 current) and OLED and contrast and bright\$4	US-PGPUB; USPAT	OR	ON	2007/07/20 09:14
S12	702	((estima\$3 or compar\$4) same current) and OLED and contrast and bright\$4	US-PGPUB; USPAT	OR	ON	2007/07/20 09:15
S13	231	((estima\$3 or compar\$4) near3 current) and OLED and contrast and bright\$4	US-PGPUB; USPAT	OR	ON	2007/07/20 09:15
S14	7	S13 and S1	US-PGPUB; USPAT	OR	ON	2007/07/20 09:18
S15	967	(estima\$5 and current) and OLED	US-PGPUB; USPAT	OR	ON	2007/07/20 09:18
S16	18	(estima\$5 and current) and OLED and S1	US-PGPUB; USPAT	OR	ON	2007/07/20 09:18
S17	10	("20020030647"   "20020101395"   "20020105279"   "20020167474"   "20030071804"   "20040070558"   "20040263445"   "6414661"   "6456016"   "6504565").PN. OR ("7161566").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 09:30
S18	643	(estima\$3 near3 current) and EL	US-PGPUB; USPAT	OR	ON	2007/07/20 09:31
S19	48	(estima\$3 near3 current) and EL and "345"/\$5	US-PGPUB; USPAT	OR	ON	2007/07/20 09:33
S20	7	((("5734361") or ("6690344") or ("6580407") or ("5734361") or ("6787983")).PN. or (2003/011742).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/20 09:36
S21	2	("6952193").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/20 10:34
S22	3	("5734361"   "6580407"   "6690344").PN. OR ("6952193").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/20 13:03
S23	0	(2003/0071804).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/20 13:04
S24	2	("20030071804").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/20 13:04

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S25	812280	brightness and contrast correction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/23 07:21
S26	2	("6952193").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/23 07:22
S27	1632	345/204.ccls.	USPAT; USOCR	OR	ON	2008/02/19 15:00
S28	8282	OLED	USPAT; USOCR	OR	ON	2008/02/19 15:00
S29	8945	345/5\$.ccls.	USPAT; USOCR	OR	ON	2008/02/19 15:01
S30	85	S28 and S29	USPAT; USOCR	OR	ON	2008/02/19 15:02
S31	16	S28 and S29 and current and contrast and brightness	USPAT; USOCR	OR	ON	2008/02/19 15:03
S32	16	S28 and S29 and current and contrast and brightness	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 15:03
S33	4	S28 and S29 and current and contrast and brightness and estima\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 15:07
S34	5	2002-116732	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 15:09
S35	8282	S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 15:09

## EAST Search History (Prior Art)

S36	5	S28 and (current near3 (control regulat\$4)) and (contrast and brightness) and (estimat\$4 near2 current)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 15:28
S37	35	("20020047550"   "20020167474"   "20020171611"   "20030016201"   "20030048243"   "20030071804"   "20030071821"   "20030122813"   "20040070558"   "20040150590"   "20040150594"   "4471347"   "4751659"   "4769292"   "5061569"   "5159525"   "5216504"   "5281960"   "5428370"   "5521639"   "5592215"   "5594463"   "5739809"   "5742339"   "5910792"   "6057924"   "6097462"   "6229508"   "6335713"   "6344930"   "6414661"   "6456016"   "6504565"   "6518962"   "6870323").PN. OR ("6995519").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:17
S38	0	"10812546"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:22
S39	2	"10/812546"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:22
S40	0	S28 and (current near3 (control regulat\$4)) and (contrast and brightness) and (estimat\$4 near2 current) and (multipl\$4 and adder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 15:29
S41	13	("20020167474"   "20030048243"   "20040150590"   "5594463"   "5796376"   "5805117"   "6310589"   "6337542"   "6369786"   "6376994"   "6414661"   "6486607"   "6747618").PN. OR ("7262753").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:35
S42	27933	(average near2 current)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:40
S43	238	S42 and oled	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:35
S44	69	S42 and oled and (brightness and contrast)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:35
S45	170	(average near1 current) and oled	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 15:41

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S47	11	(average near1 current) and oled and gamm\$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 16:02
S48	119	((average near3 current) or (sum near3 current)) and oled and (contrast and brightness)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 16:13
S49	212	((average near3 current) or (sum near3 current)) and el and (contrast and brightness)	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 16:13
S50	26	((average near3 current) or (sum near3 current)) and el and (contrast and brightness) and adder	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 10:59
S51	2	"6952193"	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/19 17:31
S52	1	grant near1 sitta	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/20 10:59
S53	26	oled same contrast same brightness same (active near1 matrix)	US-PGPUB; USPAT	OR	ON	2008/02/26 14:20
S54	0	"10812546"	US-PGPUB; USPAT	OR	ON	2008/02/26 14:20
S55	2	"10/812546"	US-PGPUB; USPAT	OR	ON	2008/02/26 15:03
S56	2	"20040070558"	US-PGPUB; USPAT	OR	ON	2008/02/26 15:06
S57	17	((SEIICHI) near2 (MIZUKOSHI)).INV.	US-PGPUB; USPAT	OR	ON	2008/02/29 10:14
S58	5	2003/0122759	USPAT; USOCR	OR	ON	2008/06/19 15:19
S59	1	"20030122759"	USPAT; USOCR	OR	ON	2008/06/19 15:29
S60	1	10/300538	USPAT; USOCR	OR	ON	2008/06/19 15:30
S61	5	2003/0122759	USPAT; USOCR	OR	ON	2008/06/19 15:30
S62	5	2003/0122759	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/06/19 15:30
S63	37940	contrast and brightness	USPAT; USOCR	OR	ON	2008/07/31 10:56
S64	829	contrast and brightness and oled	USPAT; USOCR	OR	ON	2008/07/31 11:52

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S65	1174	suppl\$5 same setting same value same (contrast or brightness)	USPAT; USOCR	OR	ON	2008/07/31 11:53
S66	160	estimat\$5 same setting same value same (contrast or brightness)	USPAT; USOCR	OR	ON	2008/07/31 11:53
S67	34	estimat\$5 same setting same value same (contrast or brightness) and active	USPAT; USOCR	OR	ON	2008/07/31 11:53
S68	2	estimat\$5 same setting same value same (contrast or brightness) and (active near3 matrix)	USPAT; USOCR	OR	ON	2008/07/31 11:54
S69	155	estimat\$5 same (contrast or brightness) and (active near3 matrix)	USPAT; USOCR	OR	ON	2008/07/31 11:54
S70	19	((SEIICHI) near2 (MIZUKOSHI)).INV.	US-PGPUB; USPAT	OR	ON	2008/07/31 12:04
S71	68	((NOBUYUKI) near2 (MORI)).INV.	US-PGPUB; USPAT	OR	ON	2008/07/31 12:04
S72	14	((KOUICHI) near2 (ONOMURA)).INV.	US-PGPUB; USPAT	OR	ON	2008/07/31 12:04
S73	13	((MAKOTO) near2 (KOHNO)).INV.	US-PGPUB; USPAT	OR	ON	2008/07/31 12:06
S74	3516	345/204.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/31 12:06
S75	78202	"345"/\$5.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/31 12:28
S76	3197	"345"/\$5.ccls. and oled	US-PGPUB; USPAT	OR	ON	2008/07/31 12:28
S77	1544	"345"/\$5.ccls. and oled and (active near1 matrix)	US-PGPUB; USPAT	OR	ON	2008/07/31 12:29
S78	1162	"345"/\$5.ccls. and oled and (active near1 matrix) and (brightness or contrast)	US-PGPUB; USPAT	OR	ON	2008/07/31 12:30
S79	3	"2002116732"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/31 12:30
S80	1	2002-462955.NRAN.	DERWENT	OR	ON	2008/07/31 12:31
S81	1	"07322179"	DERWENT	OR	ON	2008/07/31 12:31
S82	1	1997-506251.NRAN.	DERWENT	OR	ON	2008/07/31 12:31
S83	1	1997-506251.NRAN.	DERWENT	OR	ON	2008/07/31 12:31
S84	109	345/36.ccls.	US-PGPUB; USPAT	OR	ON	2008/07/31 12:32
S85	36356	current and brightness and contrast	US-PGPUB; USPAT	OR	ON	2008/07/31 12:32
S86	1	"20030122759"	USPAT; USOCR	OR	ON	2008/08/01 08:14

## EAST Search History (Prior Art)

S87	0	10/812546	USPAT; USOCR	OR	ON	2008/08/01 08:15
S88	0	"10812546"	USPAT; USOCR	OR	ON	2008/08/01 08:28
S89	1	"20030122759"	USPAT; USOCR	OR	ON	2008/08/01 08:29
S90	2	10/812546	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/01 08:31
S91	3	"20030122759"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/01 12:55
S92	15967	"setting value"	USPAT; USOCR	OR	ON	2008/08/01 12:10
S93	656	"setting value" and "345"/\$5.ccls.	USPAT; USOCR	OR	ON	2008/08/01 12:10
S94	1738	345/102.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/01 12:55
S95	2486	345/76.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/01 12:56
S96	420	345/207.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/01 12:56
S97	22	((SEIICHI) near2 (MIZUKOSHI)).INV.	US-PGPUB; USPAT	OR	ON	2009/09/08 12:51
S98	77	((NOBUYUKI) near2 (MORI)).INV.	US-PGPUB; USPAT	OR	ON	2009/09/08 12:51
S99	16	((KOUICHI) near2 (ONOMURA)).INV.	US-PGPUB; USPAT	OR	ON	2009/09/08 12:55

## EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	140	349/72.ccls.	USPAT; UPAD	OR	ON	2009/09/08 14:33
L11	2251	345/204.ccls.	USPAT; UPAD	OR	ON	2009/09/08 14:33
L12	969	345/102.ccls.	USPAT; UPAD	OR	ON	2009/09/08 14:33
L13	1493	345/76.ccls.	USPAT; UPAD	OR	ON	2009/09/08 14:33
L14	363	345/207.ccls.	USPAT; UPAD	OR	ON	2009/09/08 14:33
L15	2251	345/204.ccls.	USPAT; UPAD	OR	ON	2009/09/08 14:33
L16	189	349/67.ccls.	USPAT; UPAD	OR	ON	2009/09/08 14:34
L17	140	349/72.ccls.	USPAT; UPAD	OR	ON	2009/09/08 14:34
L18	124	348/790.ccls.	USPAT; UPAD	OR	ON	2009/09/08 14:34
L19	99	estimat\$4 and ((active near3 matrix) or (active\$1matrix)) and (OLED or (organic near4 display)) and current	USPAT; UPAD	OR	ON	2009/09/08 14:43
L20	29	estimat\$4 and ((active near3 matrix) or (active\$1matrix)) and (OLED or (organic near4 display)) and current.clm.	USPAT; UPAD	OR	ON	2009/09/08 14:43
L21	7	estimat\$4 and ((active near3 matrix) or (active\$1matrix)) and (OLED or (organic near4 display)) and current.clm. and (10 11 12 13 14 15 16 17 18)	USPAT; UPAD	OR	ON	2009/09/08 14:43
L22	619	345/77.ccls.	USPAT; UPAD	OR	ON	2009/09/08 14:48
L23	926	345/82.ccls.	USPAT; UPAD	OR	ON	2009/09/08 14:56
L24	0	10/812546	USPAT; UPAD	OR	ON	2009/09/08 14:59
L27	11	("20020030647"   "20020101395"   "20020105279"   "20020167474"   "20030071804"   "20040070558"   "20040263445"   "6414661"   "6456016"   "6504565").PN. OR ("7161566").URPN.	US-PGPUB; USPAT	OR	ON	2009/09/08 15:06
L28	15	("4799071"   "4982203"   "5600363"   "5668587"   "5825399"   "6030715"   "6130700").PN. OR ("6504565").URPN.	US-PGPUB; USPAT	OR	ON	2009/09/08 15:15



## EAST Search History (I nterference)

L29	16	("4443741"   "5493183"   "5821690"   "6023259"   "6144162").PN. OR ("6456016").URPN.	US-PGPUB; USPAT	OR	ON	2009/09/08 15:16
L30	10	("20010013758"   "5966553"   "6239788"   "6310759"   "6414443"   "6424326"   "6518962"   "6788003").PN. OR ("7218297").URPN.	US-PGPUB; USPAT	OR	ON	2009/09/08 15:17
L31	15	("20020047839"   "20030016190"   "20030103022"   "20030137503"   "20040080882"   "20040095338"   "20040100427"   "20060261864"   "6262704"   "6496174"   "6777888"   "6885029"   "7098705"   "7158105"   "7227517").PN. OR ("7417607").URPN.	US-PGPUB; USPAT	OR	ON	2009/09/08 15:17
L34	1072	(oled or (organic same display)) and bright\$4 and contrast and current and pixel.clm.	USPAT; UPAD	OR	ON	2009/09/08 15:26
L35	2707	(oled or (organic same display)) and (bright\$4 luminanc\$4) and contrast and current and (pixel display).clm.	USPAT; UPAD	OR	ON	2009/09/08 15:27
L36	28	(oled or (organic same display)) and (bright\$4 luminanc\$4) and contrast and current and (pixel display) and (estimat\$4).clm.	USPAT; UPAD	OR	ON	2009/09/08 15:27
L38	9	(oled or (organic same display)) and (bright\$4 luminanc\$4) and contrast and current and (pixel display) and (estimat\$4)and (separate near10 image).clm.	USPAT; UPAD	OR	ON	2009/09/08 15:28
L39	22	(oled or (organic same display)) and ((bright\$4 luminanc\$4) and contrast) and current and (pixel display) and (estimat\$4)and (active near3 matrix).clm.	USPAT; UPAD	OR	ON	2009/09/08 15:46
L40	8	("4973910"   "5428300"   "5537054"   "5576730"   "6768480"   "6791350"   "7106089"   "7388397").PN. OR ("7486100").URPN.	US-PGPUB; USPAT	OR	ON	2009/09/08 15:47